



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/071,270	02/08/2002	Yuuji Saiki	04558.062001	9011

23850 7590 08/07/2003

ARMSTRONG, WESTERMAN & HATTORI, LLP
1725 K STREET, NW
SUITE 1000
WASHINGTON, DC 20006

EXAMINER

CHOWDHURY, TARIFUR RASHID

ART UNIT

PAPER NUMBER

2871

DATE MAILED: 08/07/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/071,270

Applicant(s)

SAIKI ET AL.

Examiner

Tarifur R Chowdhury

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 October 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-56 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-56 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Claim Objections

1. The numbering of claims is not in accordance with 37 CFR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest numbered claims previously presented (whether entered or not).

Misnumbered claims 25-55 have been renumbered as 26-56 respectively. ***Claim***

Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

3. **Claims 1-56 are rejected under 35 U.S.C. 102(a) as being clearly anticipated by Saiki et al., (Saiki), JP 2001272542.**

4. Saiki discloses in the abstract and shows in Fig. 1, a liquid crystal display, comprising a liquid crystal cell (5), and a polarizing plate with an optical compensation film, comprising a polarizing plate (1), an adhesive layer A2, an optical compensation film (3), and an adhesive layer B4, laminated to one another,

wherein the polarizing plate comprises a polyvinyl alcohol polarizing film containing a dichroic substance (page 2, paragraph 0013), and

wherein an elastic modulus of the adhesive layer A is not greater than 0.06 MPa

(abstract).

Accordingly, claims 1, 11, 21, 23, 39 and 41 are anticipated.

As to claims 2-4, 12-14, 22, 24, 25, 40, 42 and 43, Saiki also discloses that the elastic modulus of the adhesive layer A is at least 0.02 MPa and at most 0.05 MPa (page 1, paragraph 0006) and the elastic modulus of the adhesive layer B is at least 0.08 MPa and the still more desirable elastic modulus of the adhesive layer B is at least 0.09 MPa and at most 0.12 MPa (page 1, paragraph 0007).

As to claims 5, 6, 15, 16, 26-29, and 44-47, Saiki also discloses that both the adhesive layer A and the adhesive layer B are adhesive agents comprising an acrylic resin and have a thickness in a range of at least 10 μm to at most 40 μm (pages 1-2, paragraph 0012).

As to claims 7, 17, 30 and 48, Saiki also discloses that a triacetyl cellulose film is formed integrally with at least one surface of the polarizing film (page 5, paragraph 0049).

As to claims 8, 9, 18, 19, 31, 32, 49 and 50, Saiki further discloses that the optical compensation film comprises a film with an oriented liquid crystal polymer and wherein a triacetyl cellulose film is integrally formed with at least one surface of the optical compensation film (page 5, paragraph 0050).

As to claims 10, 20, 33-38 and 51-56, Saiki also discloses that at least one selected from the group consisting of a reflecting plate, a semitransparent reflector, a retardation plate, a λ plate, and a brightness enhancement film is further laminated to the polarizing plate (page 2-3, paragraph 0022-0023, 0027).

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a) USPAT 4,025,688 is related to a reflective light-polarizing lamination comprising a light polarizer laminated to the matter surface of aluminum foil.
- b) USPAT 4,268,127 is related to a polarizer useful for a liquid crystal display comprising a transparent or semi-transparent resin film, an adhesive layer and/or semi-transparent particles.
- c) USPAT 4,387,133 is related to a laminated light-polarizing sheet.
- d) USPAT 4,810,523 is related to production of acrylate based pressure-sensitive adhesives.
- e) USPAT 5,880,800 and USPAT 6,331,882, assigned to the common assignee of the instant invention, is related to an optical film and liquid crystal display.
- f) USPAT 6,404,469, assigned to the common assignee of the instant invention is related to wide viewing angle polarizing plate and liquid crystal display.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R Chowdhury whose telephone number is (703) 308-4115. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William L Sikes can be reached on (703) 305-4842. The fax phone numbers for the organization where this application or proceeding is assigned are (703)

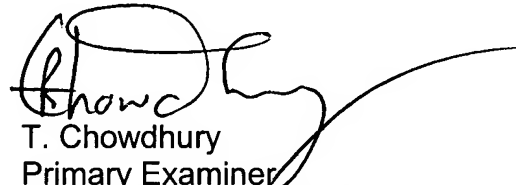
Application/Control Number: 10/071,270

Page 5

Art Unit: 2871

746-7005 for regular communications and (703) 308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.



T. Chowdhury
Primary Examiner
Technology Center 2800

TRC
July 29, 2003